

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF

the specification of which:

☐ is attached hereto.
☐ was filed on _____ as Application Serial No. _____ and was amended on _____.
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(c)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed
Japan	2001-091275	March 27, 2001	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Combined Declaration and Power of Attorney

Page 2 of 3 Pages

John F. Hayden, Reg. No. 37,640; Scott C. Harris, Reg. No. 32,030; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; Ralph A. Mittelberger, Reg. No. 33,195; John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeyer, Reg. No. 33,567; Charles C. Winchester, Reg. No. 21,040; William D. Hare, Reg. No. 44,739; James E. Mrose, Reg. No. 33,264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Robert V. Racunas, Jr., Reg. No. 43,027; Diana DiBerardino, Reg. No. 45,653; W. Karl Renner, Reg. No. 41,265; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Joseph V. Colaianni, Jr., Reg. No. 39,948; Gregory A. Walters, Reg. No. 41,366; R. Whitney Winston, Reg. No. 44,432; Bing Ai, Reg. No. 43,312; N. Thane Bauz, Reg. No. 41,604; Robert Bedgood, Ph.D., Reg. No. 43,488; Gregory P. Einhorn, Reg. No. 38,440; Diane L. Gardner, Reg. No. 36,518; James T. Hagler, Reg. No. 40,631; Kenyon S. Jenckes, Reg. No. 41,873; Samuel S. Lee, Reg. No. 42,791; Christopher S. Marchese, Reg. No. 37,177; Todd G. Miller, Reg. No. 42,003; Shekhar Vyas, Reg. No. 46,166; and John R. Wetherell, Jr., Ph.D., Reg. No. 31,678.

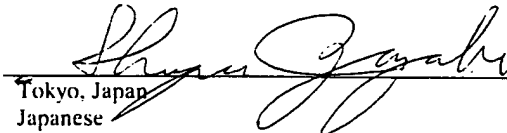
Address all telephone calls to John F. Hayden at telephone number (202) 783-5070.

Address all correspondence to John F. Hayden at:

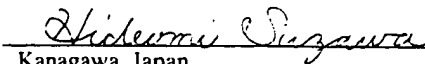
FISH & RICHARDSON P.C.
601 Thirteenth St., N.W.
Washington, DC 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Shunpei YAMAZAKI

Inventor's Signature:  Date: 03/12/2002
Residence Address: Tokyo, Japan
Citizenship: Japanese
Post Office Address: C/O Semiconductor Energy Laboratory Co., Ltd.
398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

Full Name of Inventor: Hideomi SUZAWA

Inventor's Signature:  Date: 03/13/2002
Residence Address: Kanagawa, Japan
Citizenship: Japanese
Post Office Address: C/O Semiconductor Energy Laboratory Co., Ltd.
398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

Combined Declaration and Power of Attorney

Page 3 of 3 Pages

Full Name of Inventor: Koji ONO

Inventor's Signature:

Koji Ono

Date:

03/13/2002

Residence Address:

Kanagawa, Japan

Citizenship:

Japanese

Post Office Address:

C/O Semiconductor Energy Laboratory Co., Ltd.
398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

Full Name of Inventor: Yoshihiro KUSUYAMA

Inventor's Signature:

Yoshihiro KUSUYAMA

Date:

03/13/2002

Residence Address:

Kanagawa, Japan

Citizenship:

Japanese

Post Office Address:

C/O Semiconductor Energy Laboratory Co., Ltd.
398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan



MAY 30, 2002

FISH & RICHARDSON P.C.
JOHN F. HAYDEN
601 THIRTEENTH STREET, N.W.
WASHINGTON, D.C. 20005

PTAS RECEIVED

JUN 01 2002

FISH and RICHARDSON, P.C.
WASHINGTON, D.C.

Chief Information Officer
Washington, DC 20231
www.uspto.gov



102044428A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2002

REEL/FRAME: 012741/0667
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YAMAZAKI, SHUNPEI

DOC DATE: 03/12/2002

ASSIGNOR:

SUZAWA, HIDEOMI

DOC DATE: 03/13/2002

ASSIGNOR:

ONO, KOJI

DOC DATE: 03/13/2002

ASSIGNOR:

KUSUYAMA, YOSHIHIRO

DOC DATE: 03/13/2002

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY
CO., LTD.
398 HASE ATSUGI-SHI
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 10105282
PATENT NUMBER:

FILING DATE: 03/26/2002
ISSUE DATE:

012741/0667 PAGE 2

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-04-2002

Substitute Form PTO-1595
Attorney Docket No.: 12732-097001
Client's Ref. No.: US5627

RE



:ET

102044428

J1002 U.S. PTO
10/105282

03/26/02

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): (1) Shunpei Yamazaki; (2) Hideomi Suzawa; (3) Koji Ono; and (4) Yoshihiro Kusuyama Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Semiconductor Energy Laboratory Co., Ltd. 398 Hase Atsugi-shi Kanagawa-ken 243-0036 JAPAN 3-26-02 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Dates: (1) 03/12/2002; (2) 03/13/2002; (3) 03/13/2002; and (4) 03/13/2002	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution dates of the application are: (1) 03/12/2002; (2) 03/13/2002; (3) 03/13/2002; and (4) 03/13/2002 A. Patent Application No(s).: B. Patent No(s).: 10/105282 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: JOHN F. HAYDEN Fish & Richardson P.C. 601 Thirteenth Street, NW Washington, DC 20005	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> John F. Hayden Reg. No. 37,640 Name of Person Signing Signature March 26, 2002 Date Total number of pages including coversheet, attachments and document: 2	

40096396.doc

04/03/2002 TDIAZ1 00000226 10105282

01 FC:581

40.00 DP

ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Hideomi SUZAWA of Atsugi, Kanagawa, Japan, Koji ONO of Atsugi, Kanagawa, Japan and Yoshihiro KUSUYAMA of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF filed on _____, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: _____

Name: Shunpei YAMAZAKI

Date: 03/12/2002

Signature: _____

Name: Hideomi SUZAWA

Date: 03/13/2002

Signature: _____

Name: Koji ONO

Date: 03/13/2002

Signature: _____

Name: Yoshihiro KUSUYAMA

Date: 03/13/2002